

CLAIMS

Please cancel claims 22-25.

Please amend claims 1, 4, 6-9, 12, 13, 15-18, 26, 27, 29, and 30 to read as follows:

1. (Currently amended) A polling method for use in communicating information by a wireless transceiver unit to a wireless base unit, the wireless transceiver unit and the wireless base unit being configured to communicate over a wireless control channel and a ~~wireless data traffic~~ voice traffic channel, the polling method comprising:

receiving an information request message over the control channel;
sending call record information related to usage of the voice traffic channel over the control channel in response to the information request message; and
repeating the receiving and sending on a regular basis.

2. (Original) The polling method according to claim 1, further comprising:
initiating the repeated receiving and sending in response to a detected problem.

3. (Original) The polling method according to claim 1, further comprising:
detecting a problem;
sending a problem detection message in response to detecting the problem; and
initiating the repeated receiving and sending in response to the problem detection message.

4. (Currently amended) The polling method according to claim 1, wherein the wireless transceiver unit and the wireless base unit are further configured to communicate over a wireless data traffic channel, the method further comprising:

detecting a communication failure on the data traffic channel; and
initiating the repeated receiving and sending in response to detecting the
communication failure.

5. (Original) The polling method according to claim 1, further
comprising:
detecting that a power failure has occurred; and
initiating the repeated receiving and sending in response to detecting that
the power failure has occurred.

6. (Currently amended) The polling method according to claim 1,
further comprising:
delaying a random period of time prior to sending the call record
information.

7. (Currently amended) The polling method according to claim 1,
wherein sending comprises sending the call record information over a shared control
channel, the polling method further comprising:
delaying a random period of time prior to sending the call record
information over the shared control channel.

8. (Currently amended) The polling method according to claim 1,
wherein the information request message comprises data indicative of a requested call
record information type and the call record information sent corresponds to the
requested call record information type.

9. (Currently amended) A polling method for use in communicating
information from a wireless transceiver unit to a wireless base unit, the wireless
transceiver unit and the wireless base unit capable of communication over a wireless
control channel and a voice traffic channel ~~wireless data traffic channel~~, the polling
method comprising:

sending an information request message over a wireless communication channel requesting call record information related to usage of the voice traffic channel;

receiving call record information over the control channel in response to the information request message; and

repeating the sending and receiving on a regular basis.

10. (Original) The polling method according to claim 9, further comprising:

initiating the repeated sending and receiving in response to a detected problem.

11. (Original) The polling method according to claim 9, further comprising:

receiving a problem detection message; and

initiating the repeated receiving and sending in response to the problem detection message.

12. (Currently amended) The polling method according to claim 9, wherein the wireless transceiver unit and the wireless base unit are further configured to communicate over a wireless data traffic channel, the method further comprising:

detecting a communication failure on the data traffic channel; and

initiating the repeated receiving and sending in response to detecting the communication failure.

13. (Currently amended) The polling method according to claim 9, wherein the wireless transceiver unit and the wireless base unit are further configured to communicate over a wireless data traffic channel, the method further comprising:

detecting a communication failure on the data traffic channel;

tearing down the data traffic channel but not the voice traffic channel after detecting the communication failure; and

initiating the repeated receiving and sending in response to detecting the communication failure.

14. (Original) The polling method according to claim 9, further comprising:

detecting that a power failure has occurred; and

initiating the repeated receiving and sending in response to detecting that the power failure has occurred.

15. (Currently amended) The polling method according to claim 9, wherein sending the ~~information~~polling request message comprises broadcasting it for receipt by a plurality of wireless transceiver units, the polling method further comprising: receiving the call record information from each one of the wireless transceiver units at random points in time.

16. (Currently amended) The polling method according to claim 9, wherein sending the ~~information~~polling request message comprises broadcasting it for receipt by a plurality of wireless transceiver units, the polling method further comprising: receiving call record information from each one of the wireless transceiver units at random points in time over a shared control channel.

17. (Currently amended) The polling method according to claim 9, wherein the ~~information~~polling request message comprises data indicative of a requested call record information type and the call record information sent corresponds to the requested information type.

18. (Currently amended) A polling method for use in communicating information from a wireless transceiver unit to a wireless base unit, the polling method comprising:

detecting that a power failure involving a wireless transceiver unit has occurred;

maintaining a voice traffic channel used by the wireless transceiver unit after detecting that the power failure has occurred;

tearing down a wireless data traffic channel used by the wireless transceiver unit in response to detecting that the power failure has occurred; and

polling the wireless transceiver unit for information in response to detecting that the power failure has occurred.

19. (Original) The polling method according to claim 18, wherein polling comprises polling for information on a periodic basis.

20. (Original) The polling method according to claim 18, wherein polling comprises sending an information request message to the wireless transceiver unit over a control channel.

21. (Original) The polling method according to claim 18, wherein polling comprises sending an information request message to the wireless transceiver unit; and receiving information from the wireless transceiver unit, if available, in response to sending the information request message.

22.-25. (Cancelled)

26. (Currently amended) A polling method for use in communicating information from a plurality of wireless transceiver units to a wireless base unit, the wireless transceiver units and wireless base unit having a voice traffic channel and a broadcast channel available there between, the polling method comprising:

selecting a call record type or a configuration type;

constructing an information request message of the selected type;

sending ~~an~~ the information request message over a broadcast channel for receipt by a plurality of wireless transceiver units; and

receiving information of the selected type from each available wireless transceiver unit at random points in time over a shared channel in response to sending the information request message.

27. (Currently amended) The polling method according to claim 26, wherein the information further comprises status information.

28. (Original) The polling method according to claim 26, further comprising:
repeating the sending and receiving on a periodic basis.

29. (Currently amended) A polling method for use in communicating information from a wireless transceiver unit to a wireless base unit, the polling method comprising:

receiving an information request message requesting information having a call record type or a configuration type over a broadcast channel;

delaying for a random period of time in response to receiving the information request message; and

sending information of the type requested by ~~corresponding to~~ the information request message over a shared channel after delaying for the random period of time.

30. (Currently amended) The polling method according to claim 29, wherein the information further comprises status information.

31. (Original) The polling method according to claim 29, further comprising: repeating the receiving, delaying, and sending on a periodic basis.